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**Perrier et al.**

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(54) **SYSTEMS AND METHODS FOR ENABLING  
INFORMATION MANAGEMENT  
INCORPORATING A PERSONAL  
COMPUTING DEVICE**

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**G06Q 10/00** (2006.01)

(52) **U.S. Cl.** ..... **705/28; 705/22**

(58) **Field of Classification Search** ..... **705/22,**  
**705/28, 500**

See application file for complete search history.

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(57) **ABSTRACT**

Systems, methods, and computer-readable mediums provide  
for storing location information of a plurality of products,  
receiving information from a remote electronic device,  
wherein the received information includes information relat-  
ing to a position of the remote electronic device and identi-  
fying information of one of the plurality of products, and  
updating the location information of the one of the plurality of  
products with the position of the remote electronic device.  
Alternatively, systems, methods, and computer-readable  
mediums provide for obtaining location information of a  
plurality of products at an electronic device and position  
information of the electronic device, and transmitting the  
obtained location information of the one of the plurality of  
products and the position of the electronic device to a remote  
computing device, wherein the location information of the  
one of the plurality of products is updated at the remote  
computing device with the position of the electronic device.

**9 Claims, 14 Drawing Sheets**

PERSONAL SHOPPING DEVICE 112, 114

